



Department of Environmental Services Drinking Water Source Protection Workshop

Friday, May 1, 2009

Grappone Conference Center
Concord, New Hampshire - 9AM - 4PM

Sponsored by

American Ground Water Trust
Concord, New Hampshire



AGENDA

9 - 9:15 a.m. **Welcome, Annual Source Water Protection Award and Workshop Overview**

- Welcome & Workshop Overview
Paul Susca, Source Water Protection, DES

9:15 - 9:30 a.m. **Developing a Roadmap for the State's Water Resources: The State Water Plan**

- Summary of work underway to develop a comprehensive state water plan
- 2009 Drinking Water Source Protection Award
Thomas S. Burack, Commissioner, DES

9:30 - 10 a.m. **First Steps to a State Water Plan: The Primer**

- Overview and findings from The Primer
Paul Susca, Source Water Protection Program, DES

10 - 10:45 a.m. **Sustainable Use of the Merrimack River as a Public Water Supply**

- What is the capacity of the river to serve as a water supply?
- Is the water quality a major impediment?
- Should we be planning to further use the Merrimack River as a water supply?
Kirk Westphal, CDM Inc.

10:45-11:15 a.m.

BREAK

11:15-12 p.m. **A Cluster of Amyotrophic Lateral Sclerosis (Lou Gehrig's Disease) in Close Proximity to Two Lakes in Enfield, NH, with Known Blooms of Potentially Toxic Cyanobacteria**

- Review of a Dartmouth study of the ecological and water quality issues and potential human health impacts associated with cyanobacteria in New Hampshire and Vermont lakes.
Prof. James F. Haney, Dept of Biological Sciences, UNH; Dr. Elijah Stommel, Associate Professor of Medicine (Neurology), Neuroscience Center at Dartmouth College

12 - 1 p.m.

LUNCH

Afternoon Sessions – Break-out – 4 Concurrent Tracks

Surface Water	Groundwater	Special Topics	Land Management & Regulation
<p>1 – 1:45 pm</p> <p>The Exeter River Assessment and Watershed-based Plan: Science and Tools for Protecting Surface Water Supplies</p> <p>Update on the development of fluvial and land use information in preparation of watershed plans to protect the Exeter River.</p> <p>Sally Soule, DES Watershed Bureau</p>	<p>1 – 1:45 pm</p> <p>Effects of Water-Use Increases and Potential Climate Change on Ground-Water Availability, Seacoast, New Hampshire</p> <p>Summary of report concerning water availability in the seacoast projected out to 2025 given population increases and climate change impacts.</p> <p>Tom Mack, United States Geological Survey</p>	<p>1 – 1:45 pm</p> <p>The Importance of Achieving “Water Awareness” in New Hampshire’s Schools</p> <p>Overview of the importance of education as a key component to the success of source water protection.</p> <p>Andrew Stone, Executive Director, American Groundwater Trust</p>	<p>1 – 1:45 pm</p> <p>Landscaping at the Water’s Edge: An Ecological Approach</p> <p>Review of UNH Extension’s “how to” guidebook for landscaping practices that minimize the water quality impacts associated with shoreland development.</p> <p>Jeffrey Schloss, UNH Cooperative Extension</p>
<p>1:45 – 2:30 pm</p> <p>Implementing Source Water Protections in the Nashua River Watershed</p> <p>Review of an EPA targeted source water protection program involving N.H. and Mass. communities and state government.</p> <p>Mark Archambault, Nashua River Watershed Association</p>	<p>1:45 – 2:30 pm</p> <p>Development of Rock Blasting BMPs to Protect Groundwater Resources</p> <p>Review of a new DES document concerning blasting and mitigating groundwater quality issues.</p> <p>Brandon Kernen, DES Source Protection Program</p>	<p>1:45 – 2:30 pm</p> <p>Advances in the Use of Porous Pavement: Maintenance and Management Issues</p> <p>Summary of installation, maintenance and performance issues t; review of cases in New Hampshire.</p> <p>Dr. Robert Roseen, UNH – Stormwater Center</p>	<p>1:45 – 2:30 pm</p> <p>Conservation Finance: How Towns Find and Use Funds for Land Conservation</p> <p>Summary of the currently available financing for local land conservation efforts.</p> <p>Dijit Taylor, Director, Center for Land Conservation Assistance, SPNHF</p>
<p align="center">15 Minute BREAK (2:30 to 2:45 pm)</p>			
<p>2:45 – 3:30 pm</p> <p>Water Supply Watershed Buffer Gap Analysis</p> <p>Statewide analysis of riparian buffer protection within water supply watersheds and potential use as a targeting tool for local watershed managers.</p> <p>Pierce Rigrod, Source Protection Program, DES</p>	<p>2:45 – 3:30 pm</p> <p>Groundwater Discharge: Common Pollutants and Best Management Practices</p> <p>Summary of commonly found pollutants in commercial /industrial activities and review of typical practices (BMPs).</p> <p>Mitch Locker, Groundwater Discharge Program Manager, DES</p>	<p>2:45 – 3:30 pm</p> <p>Web-Based Technologies to Improve Land Use Planning in NH</p> <p>UNH scientists will preview a set of flexible software tools and geospatial models as part of a web-based toolkit for local decision-makers to balance growth and resource protection.</p> <p>Fay Rubin, UNH; Bill Salas, PhD, Applied GeoSolutions Inc.</p>	<p>2:45 – 3:30 pm</p> <p>Changes to the State Alteration of Terrain Rules</p> <p>Review of the significant rule changes that include protections for drinking water resources.</p> <p>Ridge Mauck, AOT Program Manager, DES</p>



Evaluations & Networking (3:30 pm to 4:00 pm)
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